

IN THE CLAIMS

1. (Original) A method for determining a power level of a forward-link signal in a wireless system, the method comprising the steps of:

determining a plurality of power-indicative signal characteristic of the signal; and

determining the power level of the signal for a measurement interval using the power-indicative signal characteristics, the measurement interval having a duration smaller than or equal to the period in which at least one power-indicative signal characteristic can change.

2. (Original) The method of claim 1, wherein the measurement interval has a duration smaller than or equal to the time period in which any of power-indicative signal characteristics can change.

3. (Original) The method of claim 1, wherein the power-indicative signal characteristics comprise an information rate of the signal.

4. (Original) The method of claim 1, wherein the power-indicative signal characteristics comprise a gain of the signal as determined by the signal's individual power control.

5. (Original) The method of claim 1, wherein the power-indicative signal characteristics comprise whether the information contained in the signal is control information.

6. (Original) The method of claim 1, wherein the power-indicative signal characteristics comprise whether the call is in set up.

7. (Original) The method of claim 1, wherein the power-indicative signal characteristics comprise whether the call is in soft-handoff.

8. (Currently amended) A method for determining a power level of a set of forward-link signals transmitted by a base station in a wireless system, the method comprising the ~~step~~ steps of:

determining a plurality of power-indicative signal characteristics of each of the ~~signal~~ signals in the signal set;

determining the power level of ~~the~~ each of the signals for a measurement interval using the power-indicative signal characteristics, the measurement interval having a duration smaller than or equal to the time period in which at least one power-indicative signal characteristic can change; and

determining the power level of the signal set for the measurement interval using the power levels of each of the signals.

9. (Currently amended) The method of claim 8, wherein the measurement interval has a duration smaller than or equal to the time period in which any of the power-indicative signal characteristics can change.

10. (Currently amended) The method of claim 8, wherein:

the step of determining the power level of the each of the signals in the signal set comprises, in a channel unit controller:

obtaining an information rate of a signal and a gain of the signal as determined by the signal's individual power control;

multiplying the information rate of the signal and the gain squared of the signal to obtain the power level of the signal; and

forwarding the power level of each signal to a master controller; and

the step of ~~the~~ determining the power level of the signal set comprises summing the power level of each signal in a master controller.

11. (Currently amended) The method of claim 8, wherein the step of determining the power level of ~~the~~ each of the signals in the signal set comprises, in a master controller:

obtaining an information rate of a signal and a gain of the signal as determined by the signal's individual power control; and

multiplying the information rate of the signal and the gain squared of the signal to obtain the power level of the signal.

12. (Original) The method of claim 8, wherein the power-indicative signal characteristics comprise an information rate of the signal.

13. (Original) The method of claim 8, wherein the power-indicative signal characteristics comprise a gain of the signal as determined by the signal's individual power control.

14. (Original) The method of claim 8, wherein the power-indicative signal characteristics comprise whether the information contained in the signal is control information.

15. (Original) The method of claim 8, wherein the power-indicative signal characteristics comprise whether the call is in set up.

16. (Original) The method of claim 8, wherein the power-indicative signal characteristics comprise whether the call is in soft-handoff.

17. (Original) The method of claim 8, wherein the signal set comprises all the signals in a sector of a cell in which the base station is located.

18. (Original) The method of claim 8, wherein the signal set comprises all the signals amplified by an amplifier of the base station.

19. (Original) The method of claim 8, wherein the signal set comprises a plurality of traffic signals.

20. (Original) The method of claim 8, wherein the signal set comprises a plurality of traffic signals and at least one control signal.

21. (Original) The method of claim 8, wherein the measurement interval comprises a frame.

22. (Original) The method of claim 8, wherein the measurement interval comprises a power control group.